

For Research Use Only

Lipocalin-2/NGAL Recombinant antibody, PBS Only

Catalog Number: 82841-1-PBS

Featured Product



Basic Information

Catalog Number:

82841-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NP_005555.2

GeneID (NCBI):

3934

UNIPROT ID:

P80188

Full Name:

lipocalin 2

Calculated MW:

23kd

Observed MW:

22-25 kDa

Purification Method:

Protein A purification

CloneNo.:

2G1

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human

Background Information

Lipocalin-2 (LCN-2) is a adipocytokine also referred to as neutrophil gelatinase-associated lipocalin (NGAL). Lipocalin-2 is a circulatory protein responsible for the transportation of small and hydrophobic molecules to target organs. Lipocalin-2 is used as a biomarker for acute and chronic renal injury. It is present in a large variety of cells including neutrophil, hepatocytes, lung, bone marrow, adipose tissue, macrophages, thymus, non-neoplastic breast duct, prostate, and renal cells. Different functions have been associated with Lipocalin-2, including antibacterial, anti-inflammatory, and protection against cell and tissue stress (PMID:34463264).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

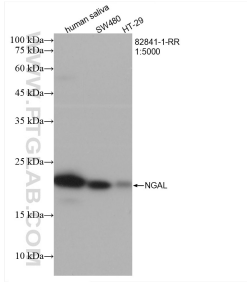
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

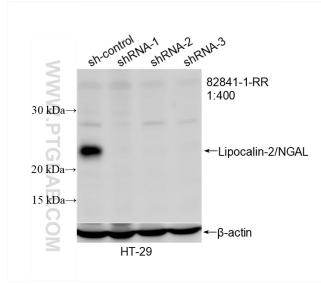
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

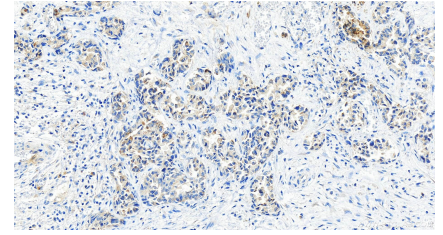
Selected Validation Data



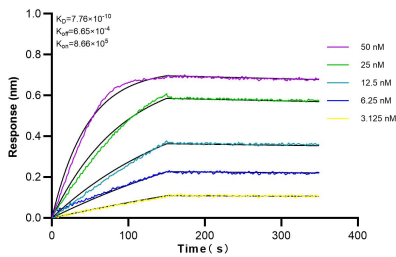
Various lysates were subjected to SDS PAGE followed by western blot with 82841-1-RR (Lipocalin-2/NGAL antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82841-1-PBS in a different storage buffer formulation.



WB result of NGAL antibody (82841-1-RR; 1:400; incubated at room temperature for 1.5 hours) with sh-Control and sh-NGAL transfected HT-29 cells. This data was developed using the same antibody clone with 82841-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 82841-1-RR (NGAL antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82841-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 82841-1-RR against Human NGAL were performed. The affinity constant is 0.776 nM.